

SCH-N300 Series

P O R T A B L E

T r i - M o d e

T E L E P H O N E

User's Guide

Please read this manual before operating your phone, and keep it for future reference.

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Getting Started

In this Section

- ▶ **Your Phone's Highlights and Features**
 - ▶ **Front View of Phone**
 - ▶ **Viewing the Display Screen**
 - ▶ **Turning Your Phone ON and OFF**
 - ▶ **Using the Battery**
-

Your phone is packed with features that simplify your life and expand your ability to stay connected to the people and information that are important to you. We know that you're anxious to start using it, so this section will give you a quick introduction to your new phone. The easy-to-follow instructions will guide you through the basics of the most common features of your phone and you'll be on your way to using it in no time.

Don't forget the other chapters in this guide. They're filled with information about the capabilities and benefits of your new phone. They include detailed step-by-step instructions that familiarize you with all the features and explain how to customize your phone to meet your specific needs.

Highlights

Congratulations on the purchase of your phone (SCH-N300). This phone is lightweight, easy-to-use, reliable, and offers many significant features:

- ▶ Tri-mode capability provides access to other CDMA and analog cellular networks. For further information see "Setting Your Phone's Roaming Mode" on page 28.
- ▶ Web Browser provides access to the Internet in digital mode. For further information see "Web Browser" on page 127.
- ▶ Voice Dial lets you dial phone numbers by speaking someone's name or the digits in their phone number. For further information see "Voice Dial" on page 34.
- ▶ User friendly, menu driven access to features and options.
- ▶ The phone's "flip" cover can be set to answer an incoming call when opened, and to cancel a call upon closing.
- ▶ The backlit display screen makes it effortless to read the display in low light environments and at night.
- ▶ An Internal Phone Book with 199 memory registers. (Each name entry can have up to six numbers).

- ▶ Speed Dialing, there are four methods of calling numbers previously stored in the Internal Phone Book.
- ▶ A Calendar function allows the scheduling of events, the ability to create “To Do Lists”, set timers and alarms.
- ▶ Voice activated dialing with 10 locations.
- ▶ T9 predictive text entry for simplicity in entering names and events into both the Internal Phone Book and Calendar.
- ▶ Vibrate mode announces incoming calls and messages without disturbing people around you.
- ▶ A choice of melodies can be used instead of ringer types.

Closed View of Phone



Front View of Phone



Command Keys



MENU Displays the first page of the Main Menu of options on your phone. Press again to display further pages and options.



OK When navigating a menu, press to select the highlighted item.



Navigation Arrows Use these arrows to scroll through the phone menu options.



Volume Key (On the side of your phone). Adjust the ringer volume in standby mode (with the flip open). Adjust the voice volume during a call. In a menu, scroll up or down to navigate through the menu options.



TALK Places, or answers a call. In standby mode, press the key once to enter the Outgoing call log. Press and hold the key down to initiate Voice Dial.



CLR (CLEAR) Deletes characters from the display. When in a menu, press to return to the previous menu.



END Ends a call. Press and hold this key to turn your phone on or off. In the menu facility, it returns the phone to standby mode and cancels your input.



Numeric Keys Use these keys to enter numbers, letters, and characters.



Pound Enters the [#] character for calling features. In text entry mode, press to enter a space.










Asterisk Enters the [*] character for calling features. In text entry mode, press to change the appearance of input.




Headset Jack (on the side of the phone.) Allows you to plug in a headset for safe, convenient hands-free conversations.

Viewing the Display Screen


This list identifies the symbols that show on your display screen.

- ▶  displays current signal strength. The more lines displayed, the stronger the signal.
- ▶  GPS Position Location display.
- ▶  indicates the phone cannot find a signal.
- ▶  indicates a call is in progress.
- ▶  indicates that you are “roaming” off the Digital Network. If you are:
 - ▶ in your home service area, this icon will rarely display.
 - ▶ in a preferred analog or digital roaming area (where a roaming agreement is in place), this indicator will remain on, but will not flash.)
 - ▶ in an analog or digital coverage area that is not covered by a roaming agreement, this indicator will flash once every second.
- ▶  indicates you have message(s) waiting.
- ▶  indicates your phone is in vibrate mode.

- ▶  indicates your current battery charge strength. (The displayed icon indicates a fully charged battery.)

Turning Your Phone ON and OFF

Turning Your Phone ON

To turn your phone on, press  for approximately two seconds.

Once your phone is ON, it displays “Looking For Service” indicating that your phone is searching for a signal. When your phone finds a signal, it automatically enters standby mode — the phone’s idle state. At this point, you are ready to begin making and receiving calls.


If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. When a signal is found, your phone automatically returns to standby mode.

Tip:

The Power Save feature helps to conserve your battery power when you are in an area where there is no signal.

In power save mode, your phone searches for a signal periodically without your intervention. You can also initiate a search for Service by pressing any key (when your phone is turned ON).




Turning Your Phone OFF

Press  for two seconds until you see “Powering off” on the display screen.

Your screen remains blank when your phone is off.

Using Key Guard

The Key Guard feature helps avoid accidental key presses without blocking incoming calls or messages. Key Guard is disabled when you receive an incoming call and is automatically reactivated when the call is completed.


1. Press  for **Main Menu**.
2. Press  for **Key Guard**.
3. To disable **Key Guard**, press and hold  for at least two seconds.

Using the Battery

Battery Capacity

your phone is equipped with a Lithium Ion (Li-Ion) battery. It allows you to recharge your battery before it is fully drained. The battery provides up to 3.8 hours of continuous digital talk time (up to one hour in analog) or up to eight days of continuous digital standby time (up to 15 hours in analog).

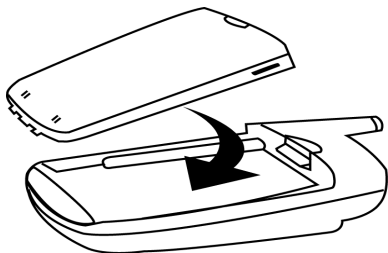
The Empty Battery Icon

Approximately five minutes before the battery charge level gets too low to operate the phone, the battery sensor will let you know by blinking an empty battery icon (), sounding an audible alert and displaying a warning message. If you continue to operate the phone without charging, the phone will turn off automatically (after a three to five minute delay). If this happens, your call will end. If you plug into a charging device, you can continue your call. Be sure to monitor the battery strength icon and make sure your battery is adequately charged.

Installing the Battery

Your phone comes with a Li-Ion battery. Follow these steps to install it:

1. Place the battery on to the back of the phone, making sure that the three plastic tabs line up with the corresponding holes on the phone.
2. Gently push the battery down on the phone until it snaps into place.



Removing the Battery

To remove your battery for charging, or for another reason, follow these easy steps:


1. So that no stored messages or numbers are lost, power off your phone by pressing and holding the  key.

Section 1

2. Push the battery release latch up.
3. Slide the battery away from the latch.
4. Lift the battery away from the phone.

Charging the Battery

Your phone comes with a rechargeable battery. You should charge the battery as soon as possible so you can begin using your phone.

Keeping track of your battery's charge is important. If your battery level becomes too low, your phone automatically turns off and you will lose all the information you were just working on. For a quick check of your phone's battery level, glance at the battery charge indicator located in the upper-right corner of your phone's display screen. If the battery charge is getting too low, the battery icon  blinks and the phone sounds a warning tone.

Warning:

Using the wrong battery charger could cause damage to your phone and void the warranty.

Always use the Samsung approved desktop charger, travel adapter or vehicle power charger to charge your battery.

Travel Adapter

Tip:

The Travel Adapter is not compatible with any other Samsung product.

The travel adapter is used to recharge the phone using a simple plug in located at the bottom of the phone. When the travel adapter is plugged in and charging the phone, the phone displays a charging light and the battery icon starts to blink. The phone can still be used while it is plugged into the travel adapter, but this will cause the phone to charge more slowly. To quickly charge the phone, turn the power Off.

Using the Single Desktop Charger

When you are ready to charge your battery, it is vital that you use only Samsung approved desktop chargers and AC adapter chargers.

1. Plug the single desktop charger's power cord into a wall outlet.
2. Insert the phone (with the battery installed) into the front of the charger.

The LED on the front of the phone indicates the following:

- ▶ A **red light** indicates the battery is charging.
- ▶ A **green light** indicates the battery is at least 90 percent charged.
- ▶ An **orange light** indicates that the battery is operating at a temperature that is too high or too low, or that there is a poor connection. Make sure the phone is resting in the charger.

It generally takes about three hours to fully recharge a completely rundown battery. With the Samsung approved Li-Ion battery, it is practical to recharge the battery before it becomes completely run down.

To get the quickest charge for any battery:

- ▶ Turn the phone off.
- ▶ Plug the phone with the battery attached into the travel adapter.
- ▶ Leaving the phone plugged into the travel adapter fully charged will not harm the battery.

Roaming

In this Section

► **Setting Your Phone's Roaming Mode**

Roaming is the ability to make or receive calls when you are out of your home coverage area. Your new tri-mode phone allows you to roam on analog cellular and digital networks virtually anywhere in the U.S. where competitive wireless service is available.





This section explains how roaming works and the special features that allow you to manage your roaming experience.


Setting Your Phone's Roaming Mode

Your phone allows you to control your ability to roam. By using the Roaming menu option, you can determine which signals your phone accepts.

Set Mode

Choose from three different settings on your tri-mode phone to control your roaming experience. When your phone is in standby mode:

1. Press  for **Main Menu**.
2. Press  for **Roaming**.
3. Press  for **Set Mode**. To select an option, scroll to select **Automatic-A**, **Automatic-B**, or **Home only**.
4. Press .
 - ▶ **Automatic-A** This setting seeks an analog or digital service automatically. It searches for an alternative system.
 - ▶ **Automatic-B** This is your default setting. It will always try your calls using the Preferred Roaming List loaded into your phone. If a preferred service is not found, then it will attempt to acquire any digital or analog service.

- ▶ **Home only** With this setting, you cannot roam. If your home system is not available then your call will not be connected, and the  No service icon displays. In some service areas, an operator may come on-line and ask you how you would prefer to pay for the call.

Note: Consult your Service Provider if you have any questions about these options.

Setting the Time and Date





If the time has not been set since the battery was installed and you turn your phone on outside a Service Area, you are prompted to enter the current time and date.

Note:

If you do not enter the time and date when prompted in Analog mode, you are not notified of scheduled events or call alarms.

To enter the time and date when the Set Time and Date menu displays, press the appropriate keys on your keypad. Fields must be two digits, for example “05:07A and 01/01/01.”

To set the time and date before traveling to an analog area:

1. Press  for **Main Menu**.
2. Press  for **Calendar**.
3. Press  for **Set Time**.
4. Press the appropriate keys to enter the time and date you require. (The volume keys or the corresponding letters on the keypad may be used to select “A” for AM or “P” for PM.)
5. Press .

Making and Answering Calls

In this Section

- ▶ **Making Calls**
 - ▶ **Answering Calls**
 - ▶ **Voice Dial**
 - ▶ **Dialing Options**
 - ▶ **In-Call Notification**
 - ▶ **End-of-Call Options**
 - ▶ **Using One-Touch/Two-Touch Speed Calling**
 - ▶ **Calling Emergency Numbers**
-

Your phone gives you different options for placing calls so that you can use the method that works best for you. Once you learn the basics, the possibilities are endless.





Tip:

To redial your last outgoing phone number, press the Talk button once to display number and press Talk again to initiate a call..



Making Calls

Your phone offers many different ways to make calls, including Voice Dial ("Placing a Call Using Voice Dial" on page 121), Speed Dialing ("Using One/Two/Three Touch Speed Dialing" on page 42), and using Call History ("Viewing Call Logs" on page 70).

To make a call using your keypad:

1. Make sure the phone is on.
2. Enter a phone number. (If you make a mistake while dialing, press  to erase one digit at a time. Or, press and hold  to erase the entire number.)
3. Press .
4. Press , or close the flip to complete the call.

Answering Calls

1. Make sure your phone is on. If your phone is off, all incoming calls go to voicemail.
2. When your phone rings, press .
3. To disconnect the call, press  briefly.




Missed Call Notification

When an incoming call is not answered, the number of missed calls together with the last call's phone number is displayed on your screen.

Note:

You cannot dial phone numbers identified as No ID, Restricted, Data or Fax calls.

To display the Missed Call log to view the last 10 missed calls:

1. Press .
2. Press  for Calls.
3. Press  for Missed.

To dial a Missed Call entry's phone number:

- ▶ Highlight the entry and press and hold




Voice Dial

Reaching your friends, family, coworkers and teammates has never been easier – especially when you're on the go.

With Voice Dial:

- ▶ You store all your contacts right in your phone, so you don't need to search through or keep a phone book close by.
- ▶ There's no need to enter numbers, memorize voicemail passwords, or try to dial while you're driving.
- ▶ You can call anyone at any time – even if you don't remember their phone number.

In-Call Options

Your phone includes both a standby (Main Menu) and an In-Use Menu. The In-Use menu is displayed by pressing  during a call in progress.



- ▶ **Mute/(Un)mute** enables you to mute or (Un)mute your end of a phone conversation so that the recipient can hear nothing.
- ▶ **Three-Way Call** allows you to talk to two different people at the same time. For further information see "Three-Way Calling" on page 66.
- ▶ **Calls** checks your call log for outgoing, incoming, and missed calls. You can also erase the logs from this menu.
- ▶ **Messages** allows you to check for voicemail, page and text messages.
- ▶ **Phone Book** accesses the Phone Book menu options.
- ▶ **Calendar** access Calendar so that you can schedule events.
- ▶ **Version** displays the version of the software and hardware that is being used.

Incoming Call Notification

Depending upon your settings, your phone notifies you of incoming calls in the following ways:

- ▶ The phone rings and/or vibrates.
- ▶ The LED flashes.
- ▶ The backlight illuminates.
- ▶ The screen displays an incoming call message.
- ▶ The phone number of the caller displays, if the phone number is available.
- ▶ If the phone number is in your Internal Phone Book, the name identified with that number displays.

End-of-Call Options

After ending a call to a phone number that is not in your Internal Phone Book, the phone number, the duration of the call, and  to save is displayed for 10 seconds. During this time you can press  to add this number to your Internal Phone Book.

Note:

You can also mute or (un)mute the ringer by pressing the volume keys..





Note:





The End-of-Call options are not displayed for calls identified as No ID or Restricted.

Saving a Phone Number

Your phone can store up to 199 Internal Phone Book entries. Phone Book entries can store up to a total of six phone numbers and the entry's name can contain 12 characters.





To save a number when in standby mode:

1. Enter a phone number.
2. Press .
3. Scroll to select **Save** and press .
4. The **Label** menu opens. Select from the **Label** menu by scrolling through the **Home, Work, Mobile, Pager, Fax, or No Label** options and pressing  for the option of choice. (You may also press the corresponding location number of the option displayed.) The phone prompts you to “Wait”, then displays “Add new name”.
5. Press  to select “Add new name”.

6. Press  to open the **T9 (English)**, **Alpha, Symbol** and **Number** options. This determines the mode of entering the new name. Select choice and press .
7. Enter the desired name using the keypad and press .
8. The phone prompts “# *** is empty” (*** is the Speed Dial number.)
9. Press  again, The screen displays the name, number, location and speed dial number.

Finding a Phone Number


You can search for Internal Phone Book entries for phone numbers that contain a specific string of numbers.

1. To find a phone number from the standby mode enter one or more digits. (The more numbers you enter, the more specific the search will be.)
2. Press  to open the **Menu** options.
3. Press  for **Find**, or highlight that option and press . The phone prompts you to “Wait” and tells you how many numbers match the number of digits you just entered into the phone. This is why it is better to enter more numbers, specific to the phone number you want to find.
4. If more than one number was found and the first number displayed is not the number of choice, scroll through the remaining options.
5. When the number of choice is displayed, press .




Dialing and Saving Phone Numbers With Pauses

Note:

You can have multiple pauses in a phone number and combine 2sec and hard pauses.

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or credit card billing numbers. If you select a Hard Pause, the next set of numbers are sent when you press . If you select a 2sec Pause, your phone automatically sends the next set of numbers after 2 seconds.


To dial or save a phone number with pauses:


1. When in standby mode, enter the first digits of the phone number that comes before the required pause.
2. Press  to open the **Menu** options.
3. Highlight either **Hard Pause** or **2sec Pause**, and press . (**Hard Pauses** are displayed as a “p” and **2sec Pauses** as a “T”.)
4. Enter additional numbers.
5. Complete step three again, if necessary.
6. Complete step four again, if necessary.
7. Press  for **Menu** options.
8. Highlight **Talk** or **Save**.

Four-Digit Calling

Your phone has the ability to remember the last four digits of any phone number stored in the address book or to simply dial any four digits entered using the keypad.



To call someone stored in your phone book by entering the last four digits of their phone number:

1. From the standby mode, enter the last four digits of any phone number stored in the phone book.
2. Press  .

Note: If more than one number is found with the same last four digits, use the navigation buttons to scroll up or down to the desired entry. When the number of choice is displayed, press  .

Or:

To dial any four digits entered using the keypad:





1. From the standby mode, enter four digits.
2. Press   for “4-Digit Dial”.

Calling Emergency Numbers

You can place calls to 911, even if your phone is locked or your account is restricted.

Note:

Placing calls to 911 automatically activates the Position Location option.

1. From standby mode enter the emergency number    and press  .

Using One/Two/Three Touch Speed Dialing

With this feature, you can automatically call Speed Dial entries using one key press for locations 1-9, two key presses for locations 10-99, or three key presses for locations 100 - 199.

To use **One-Touch Dialing** for Speed Dial locations 1-9:

- ▶ From standby mode, press and hold the digit for two seconds and your call will be automatically dialed to the number at that Speed Dial location.

To use **Two-Touch Dialing** for Speed Dial locations 10-99:

- ▶ From standby mode, press and hold the second digit for two seconds and your call will be automatically dialed to the number at that Speed Dial location.




To use **Three-Touch Dialing** for Speed Dial locations 100-199:

- ▶ From standby mode, press and hold the third digit for two seconds and your call will be automatically dialed to the number at that Speed Dial location.

Displaying Your Phone Number

Just in case you forget your own phone number, your phone can remind you.

To display your own phone number:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Press  for **My Phone #**, and your phone number will be displayed.



Navigating Through Menus

In this Section

- ▶ **Menu Navigation**
 - ▶ **Viewing the Menus**
 - ▶ **Selecting a Character Input Mode**
 - ▶ **Entering Characters by Using the Keypad**
 - ▶ **Entering Characters Using T9 Text Input**
-

This section is a road map to using your phone and also explains how to enter characters into your phone. Every function and feature can be accessed through menus. Take a few moments to know your way around and learn how to enter text. You'll find that it makes your phone and features easier to use and understand.




Menu Navigation

Your phone allows you to move through menus quickly and easily. Navigation arrows  allow you to move up or down through menus. As you navigate, menu options are highlighted. Highlight an option and press  to select.



Working Within the Menu Structure

Selecting Menu Items

For example, if you want to view your last incoming call:

1. From the **Main Menu**, highlight **Calls** and press .
 2. Use  to select Incoming and press .
- If you have received any calls, they are displayed on the screen, if not, the screen will prompt: **"Call list is empty"**.

Backing Up Within a Menu

1. Press  to return to a previous menu.
2. Press and hold  to return to standby mode.

Note:

To simplify getting to a particular option, just press the number listed next to that option displayed in the menu.

Viewing the Menus

Menu Structure

Menus let you check or change your phone's settings. The following outline shows your phone's menu structure.

1. Location

1: Location On

2: 911 Only

2. Calls

1: Outgoing

2: Incoming

3: Missed

4: Erase History

1: Outgoing

2: Incoming

3: Missed

4: All Calls

5: Air Time

1: Last Call

2: Total

3: Lifetime

4: Erase Total

3. Web

- 1: Messages**
- 2: Web Alerts**
- 3: Launch Browser**
- 4: Connection**
 - Data/Fax In**
 - 1: Data/Fax Off**
 - VoiceCall Only**
 - 2: Incoming Data Only**
 - 3: Incoming Fax Only**
- 5: Web Guard**
- 6: Erase**
 - 1: Page/Text**
 - 2: Web Alerts**

4. Phone Book

- 1: Find Name**
- 2: Add New Entry**
- 3: My Phone #**
- 4: Find Entry**

5. Roaming

1: Set Mode

- 1: Automatic-A**
- 2: Automatic-B**
- 3: Home only**

6. Calendar

- 1: Today**
- 2: Month View**
- 3: Jump to Date**
- 4: To Do List**
- 5: Countdown**
- 6: Alarm Clock**
 - 1: Alarm #1**
 - 2: Alarm #2**
 - 3: Alarm #3**

7: Set Time

7. Voice Dial

- 1: Record**
- 2: Review**
- 3: Erase All**
- 4: Set Active**

8. Sounds

- 1: Ringer Volume**
 - 1: Calls**

- 1: High+vib**
- 2: High**
- 3: Med**
- 4: Low**
- 5: 1-Beep**
- 6: Vibrate**
- 7: Off**

2: Messages

- 1: High**
- 2: Med**
- 3: Low**
- 4: 1-Beep**
- 5: Vibrate**
- 6: Off**

- 3: Alarm
 - 1: High
 - 2: Med
 - 3: Low
 - 4: Off
- 2: Ringer Type
 - 1: Voice Calls
 - 1: With Caller ID
 - 2: No Caller ID
 - 2: Messages
 - 1: Voice mail
 - 2: Page
 - 3: Text
 - 4: Web Alerts
 - 3: Alarms
 - 4: Data/Fax In
- 3: Key Beep
 - 1: High
 - 2: Med
 - 3: Low
 - 4: Off
- 4: Tone Length
 - 1: Short
 - 2: Long
- 5: Alert
 - 1: Minute Beep
 - 1: On
 - 2: Off
 - 2: Service
 - 1: On
 - 2: Off
- 6: Roam Ringer
 - 1: Distinctive
 - 2: Normal

9. Setup/Tool

1: Display

1: Idle Screen

1: Logo

2: Digital

3: Samsung Logo

2: Backlight

1: 8 Seconds

2: 30 Seconds

3: Flip Open

4: Off

3: Greeting

4: Contrast

5: Version

2: Security

1: Lock Phone

1: Unlocked

2: On Power-Up

3: Lock Now

2: Change Lock

3: Special #

1: Empty 1

2: Empty 2

3: Empty 3

4: ErasePhonebook

5: Reset Phone

3: Call Answer

1: Flip Open

2: Any Key

3: TALK Key

4: Auto Answer (Car Kit Only)

1: Yes

2: No

5: Set NAM

1: NAM 1

2: NAM 2

6: Set Network

1: Automatic

2: 1-Time Analog Call

7: Language

1: English

2: Spanish

8: Calculator

0. Games

1: Flying Tight

2: Run for Money

***. Keyguard**

InUse Menu

1: (Un)Mute

2: 3-Way Call

3: Calls

1: Outgoing

2: Incoming

3: Missed

4: Erase History

5: Air Time

4: Messages

1: VoiceMail

2: Page/Text

3: Erase

5: Phone Book


- 1: Find Name**
- 2: Add New Entry**
- 3: My Phone #**
- 4: Find Entry**

6: Calendar


- 1: Today**
- 2: Month View**
- 3: Jump to Date**
- 4: To Do List**
- 5: Countdown**
- 6: Alarm Clock**
- 7: Set Time**

7: Version




Selecting a Character Input Mode

When prompted to enter text, the current text entry mode will appear above the  key in the lower right hand side of the display. There are four text entry modes:

- ▶ 1: T9 Word
- ▶ 2: Alpha
- ▶ 3: Symbol
- ▶ 4: Number

To change the Input Mode, press  then the corresponding number on the keypad.

When entering text, use the indicated key to perform the following text entry functions:

- ▶ Press  to cycle through candidate T9 word matches.
- ▶ Press  to insert a space.
- ▶ Press  to enter a period (.) and other common symbols

Entering Characters by Using the Keypad

To enter characters by using the keypad, select the **abc** mode. (see "Selecting a Character Input Mode" on page 54) Press the corresponding numeric key (1-9) key until the desired character appears. By default, the initial character is uppercase followed by lowercase characters.

You will notice that when pressing the following keys, the characters appear in the following order. To use this feature, you have to press the key within two seconds, otherwise the phone moves the cursor to the next space and waits for new input.

1 1 . @ , ' & -

2 A B C 2

3 D E F 3

4 G H I 4

5 J K L 5

6 M N O 6

7 P Q R S 7

8 T U V 8

9 W X Y Z 9

Entering Characters Using T9 Text Input

To enter characters using T9 Text Input, select the T9 Word mode (see "Selecting a Character Input Mode" on page 54.)

T9 Text Input analyzes the letters you enter using an intuitive word database and creates a suitable word. (The word may change as you type.) To accept a word and insert a space, press



If you make a mistake, press **CLR** to erase a single character, or press and hold **CLR** to delete the entire entry.

Adjusting Volume

In this Section






- ▶ **Changing Ringer Volume**
 - ▶ **Silencing the Ringer**
 - ▶ **Adjusting Volume During a Conversation**
 - ▶ **Muting a Call**
-

With all the things that demand your attention in today's fast-paced world, it's important to tune-in to what really matters. Your phone gives you the ability to control your phone's volume with the touch of a button. Not only can you control what you hear, you can also control what your caller hears.

Changing Ringer Volume




To change the ringer volume, use the volume keys on the side of your phone when the phone is in standby mode with the flip open.

To change the ringer volume from the **Main Menu**:

1. Press  for **Menu** options.
2. Press  for **Sounds**.
3. Press  for **Ringer Volume**.
4. Press  for **Calls**.
5. Select **Off/Vibrate/1-Beep/Low/Med/High/High + Vib**, and press .

Silencing the Ringer



To silence the ringer on incoming calls:

1. When the phone rings, press a volume key,  or . Press  to answer the call.




Adjusting Volume During a Conversation

When you need to regulate the volume during a conversation, use the volume keys on the side of your phone to adjust the sound.




Muting a Call

There are times when it's necessary to mute a call so that your caller does not hear you or certain background noise. To mute a call, press and hold  for two seconds. To (un)mute a call, press and hold  for two seconds.

To **Mute** a call from the Main Menu:

1. Press  for **Menu** options, highlight **(Un)Mute**.
 2. Press either  or .
- When the phone is muted, **"Mute"** displays.

To **(Un)Mute** a call:

1. Press  for **Menu** options.
 2. Highlight **(Un)Mute**, and press  or .
- When the phone is **(Un)Muted**, **"Call on Line"** displays.

Using Service Features

In this Section

- ▶ **Using Caller ID**
 - ▶ **Responding to Call Waiting**
 - ▶ **Three-Way Calling**
 - ▶ **Forwarding Your Calls**
-




Now that you've mastered the basics, you can begin to focus on where you want to go. This section guides you through the calling features that enhance your Service. From Caller ID to Call Forwarding, using these features will help you make the most of your Service.

Note: The instructions contained in this section do not apply to all service areas. Each feature described may use a different set of number combinations. Be sure to contact your Service Provider for more information.

Using Caller ID





Caller ID lets you know who's calling by displaying the number of the person calling when your phone rings. If the caller's name and number are already stored in your Internal Phone Book, the corresponding name appears with the number. In the same way, if you call someone who has this feature, your phone number and name will display on their phone.

Tip:

For those calls when you don't want to be interrupted, you can temporarily disable call waiting by pressing    before placing your call.

Call Waiting is automatically reactivated once you end the call.



To block your phone number from being displayed for a specific outgoing call:

1. Press   .
2. Enter the number you wish to dial.
3. Press  to complete the call.

Responding to Call Waiting

Call Waiting alerts you to incoming calls while you're on a call by sounding a beep. The display screen informs you that a call is coming in and shows the caller's phone number (if it is available and you are in digital mode).

To respond to an incoming call while you're on a call:

- ▶ Press . (This puts the first caller on hold and answers the second call.)
- ▶ To switch back to the first caller, press  again.

Note:

You don't have to worry about being interrupted during a Web call because Call Waiting and Three-Way Calling are automatically disabled.




Three-Way Calling

With Three-Way Calling, you can talk to two different people at the same time. When using this feature, the normal airtime rates will be charged for each of the two calls.





If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

Here are two methods for making a Three-Way call:

Using the  key method:

1. During a conversation, press .
2. Enter the number for the third party, and press .
3. When you are connected to the third party, press  once again to begin your Three-Way call.





Using the In-Use menu:

1. During a conversation, press .
2. Press  for 3-Way Call.
3. Enter the number for the third party, and press .
4. When connected to the third party, press  again to begin your Three-Way call.






Forwarding Your Calls

Call Forwarding lets you forward all your incoming calls to another phone number – even when your phone is turned off. You can continue to make calls from your phone with Call Forwarding activated.

To Activate Call Forwarding

1. Press   .
2. Enter the area code and phone number to which your future calls should be forwarded.
3. Press . You will hear a tone to confirm the activation of **Call Forwarding**.

To Deactivate Call Forwarding

- ▶ Press    .
- ▶ Press . You will hear a tone to confirm the deactivation.

Managing Call History

In this Section






- ▶ **Viewing Call Logs (Incoming, Outgoing and Missed)**
 - ▶ **Call Log Options**
 - ▶ **Making a Call from a Call Log**
 - ▶ **Saving a Phone Number from a Call Log**
 - ▶ **Erasing All Call Logs**
-

The call logs help you manage your time more effectively. They keep track of incoming calls, calls made from your phone and missed calls. This section guides you through accessing and making the most of your call logs.



Viewing Call Logs

You'll find your call logs invaluable. They are a list of the last 10 phone numbers or names for calls you placed, accepted and missed. Call logs make redialing a number fast and easy. They are continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list. Each entry contains the phone number (if it is available) and Internal Phone Book entry name (if the phone number is in your Internal Phone Book). Duplicate calls (same number and type of call) may only appear once on the list.

To view a call log:

1. Press  for **Main Menu**.
2. Press  for **Calls**.
3. Press  for **Outgoing**,  for **Incoming**, and  for **Missed**.

Call Log Options

For additional information and options on a call, scroll to highlight a call log entry, press , followed by  to view these options:


- ▶ **Talk** to call the phone number.
- ▶ **Save** to save the sender's phone number (if the number is not already stored in your Internal Phone Book). For further information see "Saving a Phone Number From a Call Log" on page 73.
- ▶ **Prepend** to add numbers to the beginning of the phone number. (For further information see "Prepending a Phone Number From a Call Log" on page 72.)

Note:

You cannot make calls from the Incoming or Missed call logs to entries identified as No ID or Restricted.










Making a Call From a Call Log

To place a call from an existing call log:

1. Scroll to highlight the required number and press  to complete the call.

Prepending a Phone Number From a Call Log









If you need to make a call from a call log and you happen to be outside your local area code, you can add the appropriate prefix by following these steps:

1. Press  for **Main Menu**.
2. Press  for **Calls**.
3. Press  for **Outgoing**, press  for **Incoming**, or press  for **Missed**.
4. When the call list displays, scroll to highlight the desired call log, and press .
5. Press  for **Menu** options.
6. Press  to **Prepend**.
7. Enter the appropriate digits to prepend, and press  to be connected.

Saving a Phone Number From a Call Log

Your phone can store up to 199 Internal Phone Book entries. Phone Book entries can store up to a total of 6 phone numbers and the entries can contain up to 12 characters.

To save a phone number from the Call Log:






1. Press  for **Main Menu**.
2. Press  for **Calls**.
3. Press  for **Outgoing**, press  for **Incoming**, or press  for **Missed**.
4. Scroll to highlight the phone number and press .
5. Press  for **Menu** options.
6. Press  to save.
7. Follow the prompts to complete storing the number to your Internal **Phone Book**.

Note:

You cannot save phone numbers already in your Internal Phone Book or calls identified as No ID or Restricted.

Erasing Call Logs

To erase a call log or all call logs:

1. From standby mode press  to open the **Main Menu**.
2. Press  for **Calls**.
3. Press  for **Erase History**. This opens the **Erase Total** menu. Scroll to highlight one of the options:
Outgoing, Incoming, Missed and All Calls
4. Press  to erase the calls connected to the selected option and follow the prompts, or press  to return to the previous menu.

Managing Messaging

In this Section

- ▶ **Message Types**
 - ▶ **New Message Alerts**
 - ▶ **Message Options**
-


Your phone is always working to help you stay connected – even when you're unavailable. With three types of messaging, you can depend on being notified of important information. This section steps you through the messaging functions available on your phone.

Setting Up voicemail

The first thing you'll want to do after activating your phone is set up your voicemail. For further information on voicemail please contact your service provider.

Knowing When You Have Messages

There are several ways your phone alerts you:

- ▶ By displaying a message on the screen.
- ▶ By sounding the assigned ringer type.
- ▶ By the LED blinking red.
- ▶ By displaying  at the top of your screen for voicemail messages, Web Messages or Web Alerts.

Message Types

There are four types of messaging features available from your phone's menu. You can receive voicemail, page/text messages, web messages and web alerts.

- ▶ **Voicemail** automatically captures calls when you can't answer your phone, or your phone is turned off. The voicemail system sends a notification directly to your phone when you have new voice messages.
- ▶ **Page/Text Messages** can be sent directly to your phone via the internet or through other short message devices. Your phone alerts you with a ring tone when you have new messages.


Note:

Web services may not be available in certain areas.

- ▶ **Web Messages** let you know when you receive numeric pages, Web Messages*, and Web Updates*. You can receive a page/text message from the internet. (For further information, see "Sending Numeric Pages" on page 80, "Sending Web Messages" on page 69, or "Sending Web Messages" on page 81.)
- ▶ **Web Alerts** lets you know when you receive Instant Messages*. (For more information on each feature, see the appropriate information in Section 15, "Experiencing the Web".)

* You will need an Internet Service Provider to use these features.

New Voicemail Message Alerts

When you receive a new voicemail message, your phone alerts you and displays  .

Note:

Your phone accepts messages even when it is turned off. However, you are only notified of new messages when your phone is turned on and you are in a Service Area.

Retrieving Your Voicemail Messages

You can review your messages directly from your phone or from any other touch-tone phone. Call directly from your phone, by speed dialing your voicemail box, or using the menu keys.

Using One-Touch Message Access:

- ▶ Press and hold  . Follow the system prompts.





Note:

You are charged for airtime minutes when you are accessing your voicemail.

Clearing the Voicemail Message Icon

Your phone may temporarily continue to display this icon after you have checked your voicemail messages.

To clear this icon from the display screen:

1. From standby mode, press .
2. Press  for **Voice**mail.
3. Press .
4. Press  to **Reset**.

New Web Messages

When you receive a new Web message, your phone alerts you and displays the following information:

- ▶ Quantity of New messages.
- ▶ Date & Time the last message was received.
- ▶ Percentage Full




Press  to read the new message.

Web Message Storage

Your phone can store up to 94 Web Messages. Each time you receive a new message, the amount of memory is decreased. The full memory percentage is updated instantly and displayed on the screen.

Displaying Web Messages



To display a Web Message from the **Main Menu**:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Web**.
3. Press  for **Messages**.

Sending Numeric Pages

Callers can send a numeric page to your phone when they reach your voicemail box. Numeric paging to a phone comes at no additional charge on any service plan that includes Voicemail.

Numeric Page Options

After you display a numeric page, press  to display the numeric page message options. To select an option, scroll to highlight it and press .



- ▶ **Talk** - Calls the highlighted phone number.
- ▶ **Save #** - Saves the sender's phone number if it is not already in your Internal Phone Book (if applicable).
- ▶ **Erase** - Erases the current numeric page.
- ▶ **Next Msg** - Moves forward to the next message.
- ▶ **Prev Msg** - Returns to the previous message.
- ▶ **Extract #'s** - extracts the phone numbers (if there are numbers contained in the text message.) (For further information see "Extracting Phone Numbers" on page 82.)

Sending Web Messages

There are three ways to send a Web message to a phone:


1. **Email** Your phone number
2. **The Web Site**
Select the Web messaging link.
3. **Using Messaging Software** (TAP 1.5 compatible).

Web Message Options

After you display a Web Message, press  to display the Web Message options. To select an option, scroll to highlight it and press .

- ▶ **Call** to call the phone number of the sender (if applicable).
- ▶ **View PB Entry** to display the Internal Phone Book entry (if applicable).
- ▶ **Save Phone #** to save the sender's phone number if it is not already in your Internal Phone Book (if applicable).
- ▶ **Extract #'s** to extract phone numbers (if there are numbers contained in the text message.) (For further information see "Extracting Phone Numbers" on page 82.)
- ▶ **Prepend** to add numbers to the beginning of the phone number (if applicable). (For further information see "Extracting Phone Numbers" on page 82.)



Extracting Phone Numbers

After you display a Web message, press  to display the **Message** options.


The options are:

- ▶ **Talk** to dial the phone number.
- ▶ **Save #** to save the item.
- ▶ **Erase** to erase the item.
- ▶ **Next Msg** to proceed to the next item.
- ▶ **Prev Msg** to return to the previous item.
- ▶ **Extract #'s** to extract the phone number.



To extract a phone number contained in the message:

1. Scroll to highlight **Extract #'s** and press . All the phone numbers contained in the message are displayed.
2. Scroll to highlight the number you want to extract and press .

The following options display:






- ▶ **Call** to dial the extracted phone number.
 - ▶ **Next** to go to the following phone number.
 - ▶ **Prev** to go to the previous phone number.
 - ▶ **Save Phone** to save the extracted phone number to the Internal Phone Book.
3. Scroll to select your option, and press  to continue.

Web Update Options

Press  to display Web Update options. To select an option, scroll to highlight your option and press .


Erasing All Web Messages

To erase all Web messages:

1. Press  for **Main Menu**.
2. Press  for **Web**.
3. Press  for **Erase**. You are asked to choose from two options, **Page/Text** or **Web Alerts**.
4. Make your choice and a message prompt is received.
5. Select  to confirm that you want to erase message, or press  to exit.

New Web Alerts


When you receive a new Web Alert, your phone notifies you and displays the following options. To select an option, scroll to highlight it and press .






- ▶ **View** to access the Web Inbox and displays the message.
- ▶ **Clear** you can press  if you do not wish to read the message at this time.

Displaying Web Alerts

Note:

You are charged for
airtime minutes when
accessing the Web Inbox
or Internet sites.

You are notified of new Web Alerts by the  icon in the display screen.

1. Press  for **Main Menu**.
2. Press  for **Web**.
3. Press  for **Web Alerts**. A message will be displayed stating that you will be charged for Browser calls and asking if you wish to continue. The default is **"Yes"**.
4. Press  to continue and follow the prompts.
5. If you do not wish to continue, press  to return to standby mode.

Using Your Internal Phone Book

In this Section










- ▶ **Adding a New Internal Phone Book Entry**
 - ▶ **Finding Internal Phone Book Entries**
 - ▶ **Internal Phone Book Entry Options**
 - ▶ **Adding Call Alarm Alerts**
 - ▶ **Selecting Ringer Types**
-


Now you know the basics that help make it easier to stay in touch with people and information. This section helps you make the most of your contacts and use your time more efficiently when you are trying to connect with the important people and events in your life.

Adding a New Internal Phone Book Entry

Your phone can store up to 199 Internal Phone Book entries. Phone Book entries can store up to a total of six phone numbers and the entry's name can contain 12 characters.

To add a new entry:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Press  to **Add New Entry**. You are prompted to **Add Phone#**.
4. Enter the new phone number, press . (Press  for menu options, if you want to add pause options. The **Label** menu opens.)
5. Scroll to highlight a **Label** option and press .
6. You are prompted to **"Add new name"** press , and enter the name.
7. Press  to **Save**. The next available location is displayed.
8. Press  to **Save**, or scroll to highlight the entry number of choice.

Remember, you can always cancel any action by pressing the  key.


For further information see "Internal Phone Book Entry Options" on page 88.

Shortcut to Accessing the Phone Book



1. From standby mode, press the down arrow



Shortcuts to Storing Phone Book Numbers

1. From standby mode, enter a phone number.
2. Press  and follow the prompts.

Storing Phone Book Numbers at the End of a Call

1. Press  to end the call. The screen will display the phone number for 10 seconds.
2. Press . Follow the prompts displayed on the screen to **Save** the number.

Note:

Once the Phone Book entry that you want to call is highlighted, press





to call



Finding Internal Phone Book Entries

There are several ways to display your Internal Phone Book entries. Follow the steps outlined in the sections below to display entries from the Internal Phone Book menu.

Finding Names




You can review all the names stored in your Internal Phone Book by following these simple steps:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.



3. Press  for **Find Name**. The list of names is displayed in alphabetical order. (The **Speed Dial** number displays next to the entry.)
4. Enter the first letter of the persons name you want to find. Use  to scroll through the list of possible matches.

Finding Entries

To find and review an entry by its entry number:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Press  for **Find Entry**. The list of names is displayed in numeric order of the **Speed Dial** number.

Internal Phone Book Entry Options

When you display an Internal Phone Book entry, press  to display the options. To select an option, scroll to highlight it and press .










The options are:

- ▶ **Talk** to call the current phone number.
- ▶ **Add Phone#** to add a phone number.
- ▶ **Edit** to edit the current entry.
- ▶ **Prepend** to add a number to an existing phone number.
- ▶ **Erase** to erase the current entry.

- **Name Ringer** to add a specific ringer to an entry.










Replacing a Stored Number With a New Number

To replace a stored phone number with a new number:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Press  for **Find Name**.
4. Scroll to highlight the name that the existing phone number is stored under and press .
5. Press  for **Menu** options.
6. Press  for **Add Phone#**. Enter the new phone number.
7. Press  for the next step. The **Label** menu displays a number of options. Scroll to highlight the option of choice, and press . If the Label already exists, a message will be displayed asking if you want to replace the old number. If you do, press .

Editing an Internal Phone Book Entry

To make changes to an entry:







1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Select either  for **Find Name**, or  for **Find Entry** option from the **Phone Book** options.
4. Scroll to highlight the name of the entry you want to edit, then press .
5. Press  for **Menu** options.
6. Press  for **Edit** and follow the prompts.
 - ▶ **Phone #** to change the entry's phone number. Enter the new number and press . (See "Entering Characters by Using the Keypad" on page 55.)
 - ▶ **Name** to change the entry's name. Enter the new name and press . (See "Selecting a Character Input Mode" on page 54.)

- ▶ **Entry #** the entry number cannot be changed. It is generated by the phone when the Internal Phone Book entry is stored.
- ▶ **Set Secret** When a number is set to Secret, the phone will not allow anyone to view information on the number unless they enter the phone's lock code.
- ▶ **Ringer Type** to assign an individual ringer type to the entry. (See "Selecting a Ringer Type for an Entry" on page 91.)

Selecting a Ringer Type for an Entry

You can assign a ringer type to an Internal Phone Book entry so you can identify the caller by the ringer type. If there is no ringer assigned, the default ringer will automatically be used for incoming calls. For further information see "Ringer Types" on page 95.

To select a ringer type:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Press  for **Find Name**. Scroll to highlight the name you wish to select and press .
4. Press  for **Menu** options.
5. Press  for **Name Ringer**.




Note:

If the ringer is set to Vibrate or OFF, any alarms, web messages, and alerts default to Vibrate or Off.

6. Scroll to highlight a melody or ring number and press  to save the **Name Ringer** of choice.

My Phone Number

To display your own phone number:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Phone Book**.
3. Press  for **My Phone#**.

Changing Your Phone's Settings

In this Section









- ▶ **Changing the Greeting**
 - ▶ **Adjusting the Volume**
 - ▶ **Ringer Types**
 - ▶ **Selecting Ringer Types**
 - ▶ **Changing the Backlight and Contrast Settings**
 - ▶ **Data/Fax Mode**
-

This section describes how you can change your phone's settings to best suit your requirements. Take a few moments to review these options and add or adjust the settings that are right for you.

Changing the Greeting

The greeting can be up to 12 characters in length and is displayed on the bottom line of your phone's display screen in standby mode.

To change your greeting:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Setup / Tool**.
3. Press  for **Display**.
4. Press  for **Greeting**.
5. Press  for at least two seconds to erase the existing greeting.
6. Press  to choose a text entry option.
7. Scroll through the available input mode options, and press  to select an option.
8. Type in the new greeting, and press .

Setting the Language of your Phone

Your phone can display all menus and messages in either Spanish or English; all verbal prompts will also be spoken by the phone in the selected language. It's quick, easy and very convenient for bilingual families or friends.

To change the language of your phone:

1. From the **Main Menu** press **9** for **Setup/Tool**.
2. Press **7** for **Language**.
3. Scroll to highlight **English** or **Spanish**.
4. When the desired option displays, press **OK/Enter**.

Adjusting the Ringer Volume

To adjust the ringer volume:

1. From standby mode, press **MENU** for **Main Menu**.
2. Press **8** for **Sounds**.
3. Press **1** for **Ringer Volume**. The following options display: **Calls**, **Messages** and **Alarms**.
4. Select the desired option and press **OK/Enter**.
5. Scroll to the desired **Ringer Volume**, and press **OK/Enter**.

Tip:

You can use the volume control keys on the side of the phone to adjust the ringer volume in standby mode with the flip open or the voice volume during a call.

Ringer Types







Ringer types help you identify incoming calls and messages. You can assign Ringer Types to individual Internal Phone Book entries, calls and messages.

- ▶ **Preprogrammed Ringers** include a variety of standard ringer types and familiar music.

- **Vibrating Ringer** alerts you to calls or messages without disturbing others.







Selecting Ringer Types for Voice Calls

To select a ringer type for voice calls:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Voice Calls**.
5. Select either **with Caller ID** or **no Caller ID**, and press .
6. Listen to the available **Ringer Types**, and press  to select.

Selecting Ringer Types for Messages

To select a ringer type for messages:






1. From standby mode, press  for **Main Menu**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Messages**.
5. Select **Voice mail, Page, Text, or Web Alerts** and press .
6. Listen to the available **Ringer Types**, and press  to select.

Tip:

If your ringer is set to vibrate or Off, you can review the ringer types but will not hear them.






Selecting Ringer Types for Alarms

To select a ringer type for alarms:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Alarms**.
5. Listen to the available **Ringer Types**, and press  to select.

Selecting Ringer Types for Data/Fax In






To select a ringer type for data/fax in:

1. From standby mode, press for  **Main Menu**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Data/Fax In**.
5. Listen to the available **Ringer Types**, and press  to select.

Changing the Backlight Time Length

The backlight setting lets you to select the length of time the display screen and keypad are backlit after any key press is made.

To change the backlight setting:






1. Press  for **Main Menu**.
2. Press  for **Setup / Tool**.
3. Press  for **Display**.
4. Press  for **Backlight**.
5. Select **8 Seconds, Off, Flip Open, or 30 Seconds**, and press  to select.

Note:

Long backlight settings affect the battery's talk and standby times.

Changing the Contrast

To adjust the contrast on the phone's display:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Setup / Tool**.
3. Press  for **Display**.
4. Press  for **Contrast**.
5. Select a setting from "14-46" and press  to select.

Data/Fax Mode





The Web Connection Kit (purchased separately) lets you link your laptop PC to your phone so you can send and receive data and faxes.

Note:

The phone must be on a digital network to send or receive data and faxes.

Receiving a Fax

To receive a fax with your phone:



1. Make sure that your phone is connected to your computing device and is powered “on.”
2. From standby mode, press  for **Main Menu**.
3. Press  for **Web**.
4. Press  for **Connection**.
5. Select **Data/Fax In Incoming Fax only** and press  to select. (Notice that the phone displays “**No incoming voice calls can be received**”. Your phone returns to standby mode and displays ***FAX ONLY***.)



Note:

When your phone is in Data/Fax mode, you cannot make or receive voice calls.

Receiving Data





To receive data with your phone:

1. Make sure that your phone is connected to your computing device and is powered “on.”
2. From standby mode, press  for **Main Menu**.
3. Press  for **Web**.

4. Press  for **Connection**.
5. Select **Data/Fax In Incoming Data only** and press . (Notice that the phone displays “**No incoming voice calls can be received**”. Your phone returns to standby mode and displays ***DATA ONLY***.)

Returning to Voice Mode

To return to standby mode from Data/Fax mode:

1. Make sure that your phone is connected to your computing device and is powered “on.”
2. From standby mode, press  for **Main Menu**.
3. Press  for **Web**.
4. Press  for **Connection**.
5. Select **Data/Fax In Off: Voice Call Only** and press . (Notice that the phone displays “**No incoming data/fax calls can be received**”. Your phone returns to standby mode.)

Note:

The phone always powers up in standby mode, even if it was powered down in Data/Fax mode. The phone also returns to standby mode if the data cable is disconnected.

Setting Your Phone's Security

In this Section




- ▶ **Accessing the Security Menu**
 - ▶ **Locking Your Phone**
 - ▶ **Unlocking Your Phone**
 - ▶ **Using Special Numbers**
-

By using the security setting on your phone, you receive peace of mind without sacrificing flexibility. With several options available, you can customize your phone to meet your personal needs.

Accessing the Security Menu

You must enter your lock code to view the Security menu. If you forget your lock code, try using the last four digits of your Social Security number, the last four digits of your phone Number, or “0000”.

To access the Security menu:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Setup/Tools**.
3. Press  for **Security**.
4. Enter your lock code, and the **Security** menu displays.



Locking Your Phone

Tip:

If you cannot recall your lock code, try using the last 4 digits of your Social Security number, Phone No., or 0000. If none of these work, please contact your service provider


When your phone is locked, you can only receive incoming calls, or make emergency calls to 911, Customer Care, or the three special numbers.

To lock your phone:

1. Access the **Security** menu.
2. Press  for **Lock Phone**. The available options are: **Unlocked, On Power-Up**, and **Lock Now**.
3. Select **Lock Now**, and press .



Unlocking Your Phone

To unlock your phone:

1. From standby mode, press  for **Menu** options.
2. Enter your **Lock Code**.

Changing the Lock Code

To change your lock code:

1. Access the **Security** menu.
2. Press  for **Change Lock**. Your **Lock Code** number displays.
3. Enter a different **Lock Code** number (this will override your original lock code number), and press .

Write down your new code for your reference.




Calling in Lock Mode

Note:

This number will not appear in your Internal Phone Book.

You can place calls to 911 and to your special numbers when in lock mode.

To place an outgoing call in lock mode:







- ▶ To call an emergency number, special number, or Customer Service, enter the phone number and press .
- ▶ To place normal outgoing calls. Press  to display the lock code screen, enter the lock code. Enter the phone number, and press  to complete the call.

Using Special Numbers

You can hide up to three phone numbers that require your lock code to make them “special.”





All three special numbers can be manually dialed at any time, even when your phone is locked.

To make a number special:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Setup/Tool**.
3. Press  for **Security**.
4. Enter the phone's lock code, the **Security** menu displays.
5. Press  for **Special #**.
6. Select an available space and press , or just enter the space's number. Enter the phone number, and press .

Erasing Special Numbers



To erase a special number:



1. Access the **Security** menu.
2. Press  for **Special #**.
3. Select the number that you wish to erase, and press .
4. Press  to erase the number, and press .

Erasing the Internal Phone Book

You can erase all the numbers stored in your Internal Phone Book. This is useful if you want to loan, or give your phone to a friend or family member.

To erase your Internal Phone Book:



1. Access the **Security** menu.
2. Press  for **ErasePhonebook**.
3. Press  to erase.

If you do not wish to erase your Internal Phone Book, press  to return to the previous menu .

Resetting Your Phone

Resetting your phone returns all setup options to the factory's default settings. All of your important personal data (Internal Phone Book, Voice Recordings), are unaffected by resetting your phone.

To reset your phone:

1. Access the **Security** menu.
2. Press  for **Reset Phone**.
3. Press .
4. Press  again to confirm and reset the phone to the factory defaults.

The phone reboots (turns itself off and back On), restores the default settings, such as ringers, erases your messages and then returns to standby mode.

Personal Information Management

In this Section




- ▶ **Accessing the Scheduler**
 - ▶ **Adding New Events**
 - ▶ **Alarm Clock**
-

Your phone has been equipped with several personal information management features to help you manage your busy lifestyle. These features turn your phone into a time management planner that helps you keep up with your contacts, schedules and commitments. It takes productivity to a whole new level.

Accessing the Scheduler

Your scheduler helps organize your time and reminds you of important events.

How To Access Your Scheduler

1. From standby mode, press  for **Main Menu**.
2. Press  for **Calendar**.
3. Scroll to highlight an option. The options are: **Today, Month View, Jump To Date, To Do List, Countdown, Alarm Clock** and **Set Time**.
4. Press  to open the selected option.

Calendar



Calendar functions allow you to schedule personal events and view them in an easily read calendar format. These functions are also available to you when you are talking on your phone.

Today

Allows you to schedule events for today, that will automatically appear on your “Today” events schedule for that day. You can schedule up to nine events for the current day with each event’s start and end time. You can even have your phone alert you before an event starts.

Month View

Month View allows you to view a calendar of the current month, a past month, or a future month. In Month View, the current date is highlighted on the calendar. Days with scheduled events are underlined. When in Month View, the navigation keys work like this:

- ▶ Moving the scroll left or right allows the calendar to be moved backward or forward a day.
- ▶ Moving the scroll up or down moves the calendar by one week.
- ▶ Using the volume   keys allows the calendar to move month to month.

Jump To Date

Jump To Date allows you to specify the calendar date you want to view. Arriving at the desired date, you can enter, edit, and/or erase events in your calendar.

To Do List

Allows you to compile a list of items to be completed. Your phone can store and manage 20 “To Do List” items.

Countdown

Countdown allows you to find out how much time will elapse between the time entered and an event scheduled.

- ▶ Press the correct volume key to scroll between A.M. or P.M. or press **2** for A.M., or **7** for P.M.
- ▶ Countdowns can be entered for dates between the years 1980 and 2099.

Alarm Clock

Your phone has an alarm clock with three separate alarms. Each alarm can be set once, or daily at a programmed time.

Set Time

Your phone keeps the time and date while inside the Service Area. If you roam outside of the Service Area, or turn on your phone in an analog roaming area, you'll need to set the time manually.









When you turn on your phone in Analog Mode you will be prompted to enter the current date and time. Press the appropriate keys to enter the correct date and time in a numeric mode. Time is represented as hh:mm A/P and the date is represented as 00/00/0000.

To Set Time using the menu options

1. From standby mode, press **MENU** for **Main Menu**.
2. Press **6** for **Calendar**.
3. Press **7** for **Set Time**.




- Use the numeric keys to enter the current time and date.

Adding New Events

1. From standby mode, press  for **Main Menu**.
2. Press  for **Calendar**.
3. Press  for **Today**.
4. Press  for input mode options **T9 (English), Alpha, Symbol, and Number**. Select an option and press  to activate.
5. Enter the event's title or name information. You can enter up to 32 characters. For more information on Text and Symbol Entry refer to "Selecting a Character Input Mode" on page 54. The default entry mode is T9 (English).
6. Press  to continue to the **Next Step**.
7. Enter the start time and move the scroll key down once to move to the date field. Enter the date, and press .
8. Enter the end time and move the scroll key down once to move to the date field. Enter the date if different from what is shown, and press .

Tip:

Use the volume control keys to scroll by month through the Calendar, or scroll up or down to view by week.

9. Scroll to select the alarm option of choice, and press . The options are: **10 minutes Before, On time, No Alarm, 1 hour Before, or 30 min. Before.**
10. Press .
 - ▶ Notice the heading “Event” at the top of the display screen. This informs you of how many events you have scheduled for the day and the number of the event you are displaying.
11. Press and hold  to return to the **Calendar.**

Viewing an Event

The Event screen displays the number of events listed for the current day. Scroll through the other events. If no events are scheduled, you will be prompted to add a new event.

Editing an Event

1. From standby mode, press **MENU** for **Main Menu**.
2. Press **6** for **Calendar**.
3. Press **1** for **Today**.
4. Select an existing event, and press **MENU**.
5. Press **2** to edit that event, and continue to press **OK/☒** until the information you want to edit displays. Enter the new information over the old, then press **OK/☒**. (If you are editing an alarm, scroll to the “New” option.)
6. Press **OK/☒** until storing displays.
7. Press **CLR** to return to the **Calendar**.

Erasing an Event

1. From standby mode, press **MENU** for **Main Menu**.
2. Press **6** for **Calendar**.
3. Press **1** for **Today**.
4. Scroll to highlight an existing event, press **MENU** and press **3**, to erase. You are given the option to enter a new event. If you do not wish to enter a new event, press and hold **CLR** to return to the **Calendar**.









Alarm Clock

Your phone has an Alarm Clock feature with three separate alarms. Each alarm can be set once, or daily at a programmed time of your choosing.








Default alarm times are:

- ▶ 10 minutes for Meetings, Events, and Dining Appointments
- ▶ 24 hours for Special Occasions
- ▶ Zero minutes for Call Alarms

To set the Alarm Clock:

1. From standby mode, press  for **Main Menu**.
2. Press  for **Calendar**.
3. Press  for **Alarm Clock**.
4. Scroll to highlight **Alarm #1, #2, or #3**, and press , or select the number next to desired alarm.
5. Select **"No Repeat"** or **"Daily?"** for the alarm, and press .
6. Enter the date and time for the alarm. Use the volume keys on the side of the phone to select AM. or P.M., or press  for A.M., or  for P.M. Note that no date setting is available for a **Daily** alarm.
7. Press .

Editing or Erasing a Programmed Alarm

1. Repeat steps 1 through 3 above.
2. Scroll to highlight the **Alarm#** you wish to set and press . The following options display: **Edit**, **Erase** or **Exit**.
3. Press  to select **Edit**. Choose either **Daily?** or **No Repeat** and enter a new date and time. Use the volume keys on the side of the phone to select A.M. or P.M. or press  for A.M., or  for P.M. Press . Your phone returns to the **Alarm** menu displaying the date and time of each alarm that is set. For further information see "Selecting Ringer Types for Alarms" on page 97.
4. Press  to **Erase**. This erases the alarm and returns you to the **Alarm** menu.
5. Press  to **Exit**, and return to the **Calendar** menu.

Using Voice Services

In this Section

► Using Voice Dialing

This section explains the features associated with your phone's Voice Services. The easy-to-follow instructions explain how to make calls by speaking into the phone. You'll also learn how to record voice memos.

Note:

Use Voice Dial tags in a quiet environment and without the aid of an accessory. (For example, a headset or hands-free car kit)

Using Voice Dialing




Your phone features voice-activated dialing. You can call up to 10 stored entries by speaking the individual's or company's name into the microphone. Using the voice-activated dialing option requires that you first program the phone to recognize the name of the individual or company you are calling.

Tips on recording names


- ▶ Avoid recording similar names phonetically. If you record a name similar to one that is already stored in a voice-dial memory, the phone requests another name.
- ▶ Avoid recording in a noisy place.
- ▶ Speak clearly and naturally.
- ▶ Avoid very long or very short names. Names with two to five syllables are recommended.
- ▶ If a voice dial entry does not properly connect, you may need to record the name and number again.

Programming the Phone for Voice Dialing

Programming your phone for voice activated dialing is easy. The phone provides voice prompts and screen displays to guide you through the recording process. To program the phone for voice activated dialing:







1. From the **Main Menu** press  for **Voice Dial**.
2. Press  for **Record**. The phone will prompt you to say the name you want to program.
3. Wait for the beep and then say the name. For best results, use names with at least two syllables, or use both a first and last name. The phone stores the name as a “first” sample, and then prompts you to say the name again.
4. Respond to the prompt by repeating the name after the beep exactly as you did the first time. The phone stores the name as a second sample and then requests the phone number.
5. Enter the phone number on the keypad.
6. To store the phone number, press . The number you entered displays, along with the notification ‘Recorded’. If the number you entered matches a name/number already stored in your Internal Phone Book, then the name also displays.
7. The screen then returns to the **Voice Dial** menu.

Setting Up Voice Dial

Voice Dial is always active once you have programmed the phone to accept Voice Dial entries. To place voice activated calls, press and hold . Then say the name into the phone after you hear the voice prompt and the beep.


You can also initiate a voice activated call by opening the flip, when the Voice Dial option is activated.

To change the Voice Dial setup options:

1. From the **Main Menu** press  for **Voice Dial**.
2. Press  for **Set Active**.
3. Press  to scroll between the following options:
 - ▶ **Talk Only** Enables voice dialing by pressing and holding .
 - ▶ **Talk / Flip** Enables voice dialing by pressing and holding  (when the phone is open), or by simply opening the phone's flip cover.
4. When the desired option displays, press .

Placing a Call Using Voice Dial

To place a call if Voice Dial is inactive:

1. Open the phone.
2. Press and hold down the  key.
3. At the voice prompt, say the name into the phone.
 - ▶ The phone automatically places the call if it recognizes the name.
 - ▶ If the phone does not recognize the name, it prompts for the name again.
 - ▶ If the phone is unable to recognize the name after two attempts, it prompts “The name cannot be recognized.” and the following message displays: “Cannot recognize name. Please check name.” The phone returns automatically to standby mode, and you can try the call again later.

Reviewing Voice Dial Entries

To review Voice Dial entries:

1. From the **Main Menu** press **(7)** for **Voice Dial**.
2. Press **(2)** for **Review**. A list of your stored voice dial numbers display, (the names also display if stored in the Internal Phone Book).
3. Press the associated key to select the desired entry, or scroll to the desired entry and press **(OK/END)**. The recorded name plays audibly. You can scroll through entries without having to listen to each one, or you can listen to them all as they play in order.
4. Press **(CLR)** to return to the previous screen.

Erasing Voice Dial Entries

To erase an individual Voice Dial entry:

1. From the **Main Menu** press **(7)** for **Voice Dial**.
2. Press **(2)** for **Review**. A list of entries displays.
3. Press the associated key to select the desired entry, or scroll to highlight the desired entry, and press **(OK/ER)**. The recorded name plays audibly and you are prompted with **"OK: Erase"**.
4. Press **(OK/ER)** to **Erase** that entry.

To erase all Voice Dial entries:

1. From the **Main Menu** press **(7)** for **Voice Dial**.
2. Press **(3)** for **Erase All**. You are given a confirmation screen and a confirmation voice prompt.
3. Press **(OK/ER)** to **Erase** all Voice Dial entries or **(CLR)** to return to the previous screen.

Experiencing the Web

In this Section

- ▶ **Launching the Web Browser**
 - ▶ **Creating and Finding Bookmarks**
 - ▶ **Signing Up for Web Updates**
 - ▶ **Setting Up a Web Connection**
-

By now you've discovered the great features that come with your phone. Now it's time to experience the Web. Let the adventure begin.

The Web

Note:


Web service will not work when roaming off the Network and it may not be available in all areas.

With the Web and your Internet-ready phone, you have access to many features via the Internet:

- ▶ **The Web Browser** allows you to view specially-designed text versions of popular web sites.
- ▶ **Web Mail** lets you send and receive e-mail quickly and easily.
- ▶ **The Web Connection** lets you connect to the Internet or your company's network with a laptop PC or hand-held computing device, and a Web Connection Kit.
- ▶ **Web Updates** let you receive daily information updates, including weather, stock quotes and sports scores.





Web Browser

Your phone comes equipped with a MiniBrowser, which allows you to access up-to-the minute information through the Web.

The MiniBrowser connects to the Internet by placing a call. Note that  appears on the display whenever a call is in progress, just as with a regular voice call. Service charges vary depending upon your service option.

Launching the Web Browser

To launch the Web Browser:

1. Press  for **Main Menu**.
2. Press  for **Web**.
3. Press  for **Launch Browser**. Phone prompt states: “Charges will apply to Browser calls. Start Web?”
4. Press  to launch the MiniBrowser.
 - ▶ The first time you use the MiniBrowser, you'll be prompted to enable the security feature. This automatic process will take 3–6 minutes to complete, and it occurs just once. When the process is complete, you're ready to start using the Web. You will also be informed that charges will apply to Browser calls.

Following the security setup, you'll see the Web Home Page. This is the main page for the MiniBrowser and it gives you access to all the

sites in the Web. The next time you use the MiniBrowser, you may not see the Home Page at first because the MiniBrowser will display the page you were viewing when you last exited the MiniBrowser

Note:

The Web Home Page is subject to change.

WEB

1. Financial
2. Traffic
3. Travel
4. Weather
5. Sports
6. Entertainment
7. Games
8. Shopping
9. Portals

The Web Home Page

You may notice that sometimes the MiniBrowser will launch without placing a call. This is because the phone stores recently viewed pages in its' memory cache. The MiniBrowser will connect automatically when you access a page that's not stored in the cache.

If the phone has been inactive for a while and a new Internet site has not been requested, the MiniBrowser will automatically disconnect.

The MiniBrowser will remain active – only the connection will end. The MiniBrowser will automatically reconnect when you go to an Internet site that's not stored in the phone's memory cache. For this reason, you may find that you are billed for several network connections within a single session. This is normal and is designed to minimize air time charges.

When launching the MiniBrowser, you may see a reminder that MiniBrowser calls will be charged.

Using the Web Browser


Using the MiniBrowser is easy once you've learned a few basics. Here are some tips for navigating the Web:

Scrolling


As with other parts of your phone's menu, you'll have to scroll up and down to see everything on some Internet sites.

- Scroll up or down to view line by line. You can also use the volume keys on the side of your phone to quickly find one page at a time rather than one line at a time.

Going Home

- To return to the Web Home Page, scroll to select **Home** and press .

Going to a Web Internet Site


From the Web Home Page, you can go to an Internet site simply by highlighting the desired site name and pressing .

To access a site that does not appear on the Home Page, use the **Go To...** function (on page 3 of the Home Page). You'll be required to enter the URL (site address) for the site you wish to visit. It is not necessary to enter "http://" before the site name. Remember only HDML and WML sites are accessible.

Note:

Only specially-designed Internet sites are available via the "Go To..." function.

Going Back

- ▶ To go back one page, press .

Entering Text

Some Internet sites require that you enter text by using your phone's keypad. For further information see "Entering Characters by Using the Keypad" on page 55.

Note:

Bookmarking a page does not store the page contents, just its address.




Creating a Bookmark

Bookmarks allow you to store the address of favorite Internet pages for easy access at a later time.

Note:

Some pages cannot be bookmarked. Bookmark availability is determined by web site developers.





To create a bookmark:

1. From the **Web** home page, highlight to select **Menu** and press  to go to the page you wish to bookmark. (A title for the **Bookmark** may display.)
2. Press **MnMenu** to access the **Browser Menu**.
3. From the **Browser Menu**, select **Mark Site**, and press  to save.
4. Select  to return to the screen that you marked and resume navigation within the **Web Browser**.




- ▶ The new bookmark is added to your "Bookmark" list.

Accessing a Bookmark


To access a bookmark from the Web:

1. Scroll to highlight **MnMenu**, and press .
2. Scroll to highlight **Bookmarks**, and press .
3. Scroll to highlight the bookmark you want to display, and press . Scroll to select **OK**, and press .

Deleting a Bookmark


1. From the bookmark list, scroll to highlight the bookmark you want to delete, and press .
2. Scroll to select **Erase**, and press . A message displays prompting you to confirm deletion. Press  to delete the bookmark.

The Browser Menu

The Browser Menu contains several special functions. To access the Browser Menu, scroll to highlight the Help and press .

- ▶ **Reload** to refresh the display
- ▶ **Home** to access the Web Home Page.
- ▶ **Bookmarks** to mark the site.
- ▶ **Mark Site** to create a bookmark for the current Internet site.
- ▶ **About OpenWave ...** to display information about the OpenWave browser.
- ▶ **Advanced** to display advanced options for your Web Browser. (You should only use when instructed by your Service Provider.)

Ending a Browser Session

To end a browser session and disconnect from the Web, press .

Troubleshooting

If you're having trouble using the Web Browser, use the following troubleshooting guide:

Problem You can't escape from a particular site.

Recommendation Press and hold the  button.

Problem You continue to receive errors when using a certain site.

Recommendation Try again later. Sites are sometimes temporarily inaccessible due to high traffic volume. If the problem persists, there may be a problem with the site.

Problem The MiniBrowser appears to be malfunctioning or stops responding.

Recommendation Reset the MiniBrowser by going to the Browser Menu and selecting the “Reload” option. If that doesn't work, turn your phone off, then on again. If that also fails, try removing the battery and then replacing it. If none of these solutions work, please contact your Service Provider.

Problem An error message prompt states the phone is not registered for Web services.

Recommendation Web services can take longer to activate than voice services. Please try again later. If the problem persists for more than one day, please contact your Service Provider.

Problem The message "Service Not Available" appears.

Recommendation Your phone can't acquire a signal or you are in an area that does not yet support Web services. If possible, move to an area that supports Web services. If you continue to receive this message, please contact your service provider.

Problem The message "Data Server Unavailable" appears.

Recommendation Web services are temporarily unavailable. Please try again later. If this problem persists, contact your Service Provider.

Problem The message "IP Address Missing" appears.

Recommendation Your phone's factory settings have been altered. Please contact your Service Provider for assistance.

Setting up a Web Connection

Getting Started

Your Internet-ready Phone allows you to connect to a laptop PC, or a hand-held or palm-sized computing device to send and receive e-mail, access the Internet, or your company's network and much more, without searching for a wall-mounted telephone jack. In just three steps you can use your connectivity:

1. First, you'll need a Web Connection.
2. Connect your laptop PC to your phone by using the serial data cable. The cable adapter will connect to a hand-held or palm-sized computing device.
3. Finally, take a few minutes to install the Dialer software onto your computer using the CD.

Note:

You will not need to install the Dialer for Palm or HPC/Windows CE.

Note: Contact your service provider for password, username or other information you may need for web site connection.

Placing a Call

To place a call when you're connected to the Web:

1. Make sure the cable is connected properly.
2. Open the Dialer software or application on your computer and place the call.
 - ▶ The phone displays the number your computer is calling and a “connecting” message is displayed.
 - ▶ Once the call successfully connects, your phone's display shows you information on the status of the data call.

Receiving Calls

Most users use the Web Connection to place outgoing data/fax calls. But you can also set up your phone to receive (host) data and fax calls. Because each phone is different, the Web Connection Kit doesn't include instructions for how to set up your phone to receive data and fax calls. Here's the procedure to set up your phone to receive a (mobile-terminated) data or fax call:

1. Select the menu option that enables incoming data/fax calls. Note that incoming voice calls are not possible when your phone is set to receive data/fax calls.
2. Once you've received the incoming data/fax call, you may want to return the phone to its normal state by disabling incoming data/fax calls.

Ending a Web Call

It's important to note that some of the normal ways to end a call won't work with the Web Connection calls. You should always close the connection through the application on your computer. Your phone will then return to Standby mode.

Games

In this Section




- ▶ **Flying Tight**
 - ▶ **Run for Money**
-

By now you've discovered the great features that come with your phone. Now it's time to experience the fun of playing games on your phone.







Flying Tight

In Flying Tight you must pilot your ship by different obstacles avoiding any collisions along the way. You can pick up force fields to help protect your ship from receiving too much damage. If too much damage is sustained, your ship is destroyed and you must start a new game. The further you fly, the more points you receive. If you receive enough points, you are awarded an extra ship.

To access Flying Tight:

1. Press  for **Main Menu**.
2. Press  for **Games**.
3. Press  for **Flying Tight**.

Playing Instructions

Keys	Action
2 or 	Moves the ship “UP”
8 or 	Moves the ship “Down”
	Starts the game
	Displays the “How to Play” screen
 	Ends the game







Run For Money

In Run For Money, you skate along the roadway and collect the money sacks by running over them. Be careful to avoid the traffic or else you will loose your collected money sacks. Each level has a goal reflecting the number of money sacks that must be collected before proceeding on to the next level. If the goal is not met, the game is over.

To access Run For Money:

1. Press  for **Main Menu**.
2. Press  for **Games**.
3. Press  for **Run for Money**.

Playing Instructions

Keys	Action
2 or 	Moves you "UP"
8 or 	Moves you "Down"
	Starts the game
	Displays the "How to Play" screen
 	Ends the game

Position Location

In this Section

- ▶ **Services**
 - ▶ **Settings**
-

With Position Location, your location can be determined when you are in an area where Position Location is available. This feature can also be turned off (except for calls to 911) to insure your privacy.

You may be assessed higher/ additional charges for location-based services.

Services

Imagine having a phone that can use Global Position Services (GPS) technology to provide you with the following services based on your location:

- ▶ Driving directions
- ▶ Traffic information
- ▶ Emergency services
- ▶ Location of family/friends





While these services may not be available today, this phone has the technology required to support these and other location-based services upon their launch.

Note: GPS assistance is NOT supported when you are in analog mode, or in areas where a Service Provider network does not support GPS assistance. Emergency 911 is still available, however, your exact location will NOT be provided using GPS. The network you are in may provide Position Location during a 911 call if this service is available, but not with the same GPS assisted accuracy.

Settings

The settings allow you to turn the Position Location ON or OFF. When you first use your phone this option is set to OFF. This option is automatically turned ON when you place a call to 911. However, this option is turned back OFF when your 911 call is completed.

To turn Position Location ON or OFF:

1. Press  for **Main Menu**.
2. Press  for **Location**.
3. Press  to display the Setting screen.
4. Toggle Up or Down to cycle between the available choices.
5. Press  to Save and exit.

Check with your service provider to determine if/when/where location-based services are available.

Calculator

In this Section




- ▶ **Accessing the Calculator**
- ▶ **Performing Simple Calculations**

Having a calculator handy is not only convenient, but practical. This easy to use calculator makes figuring out simple math equations a breeze.








Accessing the Calculator

The calculator allows you to perform basic mathematical calculations using your phone. Addition, subtraction, multiplication, and division can be performed.

To access the calculator:

1. Press  for **Main Menu**.
2. Press  for **Setup/Tool**.
3. Press  for **Calculator**.

Performing Simple Calculations

1. Press  for **Main Menu**.
2. Press  for **Setup/Tool**.
3. Press  for **Calculator**.
4. Using the keypad, enter the first number of the calculation and press the Up arrow .
5. Press the Up  or Down  arrows to cycle through the different mathematical signs.
6. When the desired sign is displayed, enter the second number of the calculation.
7. Press  to view the results.

Selecting Your Accessories

In this Section

► Overview of Available Accessories for your Phone

We offer a variety of accessories for your new phone. Choose from chargers, batteries and hands-free devices – all designed to give you more flexibility and convenience.

Accessory Options

To order genuine Samsung accessories, please visit us at www.samsung.com/wireless or call 1-800-samsung.

Standard Battery

The standard battery provides approximately up to 3.8 hours of continuous talk time in digital mode and up to one hour of continuous talk time in analog mode or up to eight days of continuous standby time in digital mode and up to 15 hours continuous standby time in analog mode. The battery charges in about three hours using any of the charging accessories available with this phone.

Vehicle Lighter Charger

You can charge your phone (even during a call) in your vehicle.

Hands-Free Car Kit

Allows you to operate your phone hands-free so you can drive safely. It also charges the phone's battery.

Desktop Charger

The Desktop Charger uses an AC adapter and is provided with your phone for convenient charging.

Travel Adapter

Compact and lightweight, this is a convenient way to charge your phone while on the road.

Performance and Safety Guidelines

In this Section

- ▶ **Getting the Most Out of Your Reception**
 - ▶ **Maintaining Safe Use and Access to Your Phone**
 - ▶ **Caring for the Battery**
 - ▶ **Acknowledging Special Precautions and the FCC Notice**
 - ▶ **FDA Consumer Update**
 - ▶ **CTIA Safety Information**
-

Part of getting the most out of your phone is knowing where and how it works at optimum efficiency. This section outlines performance and safety guidelines that ensure you experience the full quality that your phone was designed to give to you.

Getting the Most Out of Your Reception

Keeping Tabs on Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key. Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Knowing Radio Frequency Safety

The design of your phone complies with updated NCRP standards described below.

In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Maintaining Your Phone's Peak Performance

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- ▶ Hold the phone with the antenna raised, fully-extended and over your shoulder.
- ▶ Try not to hold, bend or twist the phone's antenna.

Note:

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

- ▶ Don't use the phone if the antenna is damaged.
- ▶ Speak directly into the phone's receiver.
- ▶ Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it's inoperable, return it to a an authorized service provider or call Customer Care for service.

Maintaining Safe Use and Access to Your Phone

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

Using Your Phone While Driving

Talking on your phone while driving is illegal in some states. Even where it's not, it can divert your attention from driving. Remember that safety always comes first.

When using your phone in the car:

- ▶ Get to know your phone and its features, such as speed dial and redial.
- ▶ When available, use a hands-free device.
- ▶ Position your phone within easy reach.
- ▶ Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.
- ▶ Do not take notes or look up phone numbers while driving.
- ▶ Dial sensibly and assess the traffic; if possible, place calls when you stationary or before pulling into traffic.
- ▶ Do not engage in stressful or emotional conversations that may divert your attention from the road.

Tip:

Purchase an optional Hands-Free Car Kit.

- ▶ Dial **9** **1** **1** to report serious emergencies. It's free from your wireless phone.
- ▶ Use your phone to help others in emergencies.
- ▶ Call special non-emergency wireless number when necessary.

Following Safety Guidelines

Note:

Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, the U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn off your phone when you're in any area that has a potentially explosive atmosphere. Although it's rare, your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked. They include:

Note:

Never transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

- ▶ Fueling areas such as gas stations.
- ▶ Below deck on boats.
- ▶ Fuel or chemical transfer or storage facilities.
- ▶ Areas where the air contains chemicals or particles such as grain, dust or metal powders.
- ▶ Any other area where you would normally be advised to turn off your vehicle's engine.

Restricting Children's Access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

Caring for the Battery

Protecting your Battery

The guidelines listed below help you get the most out of your battery's performance.

- ▶ Use only Samsung-approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- ▶ In order to avoid damage, charge the battery only in temperatures that range from 32° F to 104° F (0° C to 40° C).
- ▶ Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- ▶ Never dispose of the battery by incineration.
- ▶ Keep the metal contacts on top of the battery clean.
- ▶ Don't attempt to disassemble or short-circuit the battery.
- ▶ The battery may need recharging if it has not been used for a long period of time.
- ▶ It's best to replace the battery when it no longer provides acceptable performance. It can be recharged hundreds of times before it needs replacing.

Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:

Less than one month:

32° F to 131° F (0° C to 55° C)

More than one month:

32° F to 104° F (0° C to 40° C)

Disposal of Lithium Ion (Li-Ion) Batteries

For safe disposal options of your Li-Ion batteries, contact your nearest Samsung-authorized service center.

Special Note: Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

Note:

For safety, do not handle a damaged or leaking Li-Ion battery.

Acknowledging Special Precautions and FCC

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58).

For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be

broken. Avoid dropping, hitting, bending or sitting on it.

Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Samsung supplied or approved carrying case, holster or other body-worn accessory. If you do not use a body-worn accessory, ensure that the antenna is at least one inch (2.5 centimeters) from your body when transmitting. Use of non- Samsung approved accessories may violate FCC RF exposure guidelines.

For more information about RF exposure, please visit the FCC website at www.fcc.gov.

Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to

the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and has been tested in accordance with the measurement procedures specified in ANSI/IEEE Std. C95.3-1992.

Part 22 AMPS Mode - Head Max. SAR: 1.1860 W/Kg

Part 22 AMPS Mode - Body Max. SAR: 1.07 W/Kg

FDA Consumer Update

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices.

However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- ▶ Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- ▶ Design wireless phones in a way that minimizes any RF exposure to the user that it is not necessary for device function; and
- ▶ Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to a interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- ▶ National Institute for Occupational Safety and Health
- ▶ Environmental Protection Agency
- ▶ Federal Communications Committee
- ▶ Occupational Safety and Health Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities about wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the wireless exposures that people get from these base stations are typically thousands of times lower than those they get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

What kinds of phones are the subject of this update?

The term “wireless phones” refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS”. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user’s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person’s RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones” which have a base unit connected to the phone wiring in a house, typically operate at far lower per levels, and thus produce RF exposures far below the FCC safety limits.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods.

Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could Accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glaucoma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the

studies can answer questions about long-term exposures, since average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health threat?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists.

Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include

both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

How can I find out how much radio frequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radio frequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and other federal health and safety agencies. The FCC limit for exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissue that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone

to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

What has FDA done to measure the radio frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless hand sets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It

is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about RF exposure from these

products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed on late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Where can I find additional information?

For additional information, please refer to the following resources:

- ▶ FDA web page on wireless phones
(<http://www.fda.gov/cdrh/phones/index.html>)
- ▶ Federal Communications Commission (FCC) RF Safety Program
(<http://www.fda.gov/oet/rfsafety>)
- ▶ International Commission on Non-Ionizing Radiation Protection
(<http://www.icnirp.de>)
- ▶ World Health Organization (WHO) International EMF Project
(<http://www.who.int/emf>)
- ▶ National Radiological Protection Board (UK)
(<http://www.nrpb.org.uk>)

CTIA Safety Information

Exposure to radio frequency signals

Your wireless hand held portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standard bodies:

- ▶ ANSI C95.1 (1992)
- ▶ NCRP Report 86 (1986)
- ▶ ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

Antenna care

Use only the specified of approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on efficient operation:

For your phone to operate most efficiently:

- ▶ Extend your antenna fully.
- ▶ Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- ▶ Give full attention to driving--driving safety is your first responsibility.
- ▶ Use hands-free operation, if available.
- ▶ Pull off the road and park before making or answering a call if driving conditions so require.

Electronic devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- ▶ Should ALWAYS keep the phone more than six inches from their pacemaker when the pacemaker is turned on;
- ▶ Should not carry the phone in a breast pocket;
- ▶ Should use the ear opposite the pacemaker to minimize the potential for interference.
- ▶ If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such

interference, you may want to consult your service provider (or call the customer service line to discuss alternatives.) *Optional for each phone manufacturer.*

Other medical devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a “blasting area” or in areas posted: “Turn off two-way radio”. Obey all signs and instructions.

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

For vehicles equipped with an airbag

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Owner's Record

The model number, regulatory number and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model:

Serial No.:

User Guide Proprietary Notice

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Warranty Information

In this Section

- ▶ **Manufacturer's Warranty**
 - ▶ **Limited Warranty**
-

This section contains the manufacturer's warranty for your phone.

Manufacturer's Warranty

DISCLAIMER OF WARRANTIES:
EXCLUSION OF LIABILITY. EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THIS WARRANTY PAGE, THE PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES THAT MAY

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SHALL NOT AFFECT THE
ENFORCEABILITY FOR THE
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WARRANTY WHICH PURCHASER
ACKNOWLEDGES IS AND WILL
ALWAYS BE CONSTRUED TO BE
LIMITED BY ITS TERMS OR AS
LIMITED AS THE LAW PERMITS.**



Note: Samsung is not, in any case, liable for any consequential damage caused by the product. For your convenience, if you prefer to use an ear-microphone, please call (800) SAMSUNG to purchase a compatible ear microphone for the product.

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